

SEQUENCE LISTING



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<120> Receptor

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<141> 2003-11-14

<150> PCT/GB02/02304

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<170> PatentIn Ver. 2.1

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 <213> Homo sapiens

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 Tyr Leu Ile Ile Phe Val Ala Ser Ile Leu Leu Asn Gly Leu Ala Val
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 Trp Ile Phe Phe His Ile Arg Asn Lys Thr Ser Phe Ile Phe Tyr Leu
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 Lys Asn Ile Val Val Ala Asp Leu Ile Met Thr Leu Thr Phe Pro Phe
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 Arg Ile Val His Asp Ala Gly Phe Gly Pro Trp Tyr Phe Lys Phe Ile
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Ile Val Phe Leu Gly Leu Ile Ser Ile Asp Arg Tyr Leu Lys Val Val
130 135 140

Lys Pro Phe Gly Asp Ser Arg Met Tyr Ser Ile Thr Phe Thr Lys Val
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Ile Ile Leu Thr Asn Gly Gln Pro Thr Glu Asp Asn Ile His Asp Cys
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Ser Lys Leu Lys Ser Pro Leu Gly Val Lys Trp His Thr Ala Val Thr
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Tyr Val Asn Ser Cys Leu Phe Val Ala Val Leu Val Ile Leu Ile Gly
210 215 220

Cys Tyr Ile Ala Ile Ser Arg Tyr Ile His Lys Ser Ser Arg Gln Phe
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Ile Ser Gln Ser Ser Arg Lys Arg Lys His Asn Gln Ser Ile Arg Val
245 250 255

Val Val Ala Val Phe Phe Thr Cys Phe Leu Pro Tyr His Leu Cys Arg
260 265 270

Ile Pro Phe Thr Phe Ser His Leu Asp Arg Leu Leu Asp Glu Ser Ala
275 280 285

Gln Lys Ile Leu Tyr Tyr Cys Lys Glu Ile Thr Leu Phe Leu Ser Ala
290 295 300

Cys Asn Val Cys Leu Asp Pro Ile Ile Tyr Phe Phe Met Cys Arg Ser
305 310 315 320

Phe Ser Arg Arg Leu Phe Lys Lys Ser Asn Ile Arg Thr Arg Ser Glu
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Tyr Asp Tyr Thr Asp Val
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<213> Mus musculus

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<212> PRT

<213> Mus musculus

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35 40 45

Tyr Leu Val Ile Phe Val Ala Ser Ile Leu Leu Asn Gly Leu Ala Val
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Trp Ile Phe Phe His Ile Arg Asn Lys Thr Ser Phe Ile Phe Tyr Leu
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Lys Asn Ile Val Val Ala Asp Leu Ile Met Thr Leu Thr Phe Pro Phe
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Arg Ile Val Arg Asp Ala Gly Phe Gly Pro Trp Tyr Phe Glu Phe Ile
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Lys Pro Phe Gly Asp Ser Arg Met Tyr Ser Ile Thr Phe Thr Lys Val
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Met Lys Leu Lys Ser Pro Leu Gly Ala Lys Trp His Met Ala Val Thr
195 200 205

Tyr Val Asp Ser Cys Leu Phe Val Ala Val Leu Val Ile Leu Ile Gly
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Cys Tyr Ile Ala Ile Ser Arg Tyr Ile His Lys Ser Ser Arg Gln Phe
225 230 235 240

Ile Ser Gln Ser Ser Arg Lys Arg Lys His Asn Gln Ser Ile Arg Val
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Val Val Ala Val Phe Phe Thr Cys Phe Leu Pro Tyr His Leu Cys Arg
260 265 270

Ile Pro Phe Thr Phe Ser Asn Leu Asp Arg Leu Leu Asp Glu Ser Ala
275 280 285

His Lys Ile Leu Tyr Tyr Cys Lys Glu Met Thr Leu Phe Leu Ser Ala
290 295 300

Cys Asn Val Cys Leu Asp Pro Ile Ile Tyr Phe Phe Met Cys Lys Ser
305 310 315 320

Phe Ser Arg Arg Leu Phe Lys Lys Ser Asn Ile Arg Thr Arg Ser Glu
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Tyr Asp Tyr Thr Asp Val
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<210> 6

<211> 384

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Fusion protein
of human Mowgli (SEQ ID NO: 3) with V5 and His
tags at C-terminal end

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35

40

45

Tyr Leu Ile Ile Phe Val Ala Ser Ile Leu Leu Asn Gly Leu Ala Val
50 55 60

Trp Ile Phe Phe His Ile Arg Asn Lys Thr Ser Phe Ile Phe Tyr Leu
65 70 75 80

Lys Asn Ile Val Val Ala Asp Leu Ile Met Thr Leu Thr Phe Pro Phe
85 90 95

Arg Ile Val His Asp Ala Gly Phe Gly Pro Trp Tyr Phe Lys Phe Ile
100 105 110

Leu Cys Arg Tyr Thr Ser Val Leu Phe Tyr Ala Asn Met Tyr Thr Ser
115 120 125

Ile Val Phe Leu Gly Leu Ile Ser Ile Asp Arg Tyr Leu Lys Val Val
130 135 140

Lys Pro Phe Gly Asp Ser Arg Met Tyr Ser Ile Thr Phe Thr Lys Val
145 150 155 160

Leu Ser Val Cys Val Trp Val Ile Met Ala Val Leu Ser Leu Pro Asn
165 170 175

Ile Ile Leu Thr Asn Gly Gln Pro Thr Glu Asp Asn Ile His Asp Cys
180 185 190

Ser Lys Leu Lys Ser Pro Leu Gly Val Lys Trp His Thr Ala Val Thr
195 200 205

Tyr Val Asn Ser Cys Leu Phe Val Ala Val Leu Val Ile Leu Ile Gly
210 215 220

Cys Tyr Ile Ala Ile Ser Arg Tyr Ile His Lys Ser Ser Arg Gln Phe
225 230 235 240

Ile Ser Gln Ser Ser Arg Lys Arg Lys His Asn Gln Ser Ile Arg Val
245 250 255

Val Val Ala Val Phe Phe Thr Cys Phe Leu Pro Tyr His Leu Cys Arg
260 265 270

Ile Pro Phe Thr Phe Ser His Leu Asp Arg Leu Leu Asp Glu Ser Ala
275 280 285

Gln Lys Ile Leu Tyr Tyr Cys Lys Glu Ile Thr Leu Phe Leu Ser Ala
290 295 300

Cys Asn Val Cys Leu Asp Pro Ile Ile Tyr Phe Phe Met Cys Arg Ser
305 310 315 320

Phe Ser Arg Arg Leu Phe Lys Lys Ser Asn Ile Arg Thr Arg Ser Glu
325 330 335

Ser Ile Arg Ser Leu Gln Ser Val Arg Arg Ser Glu Val Arg Ile Tyr

340

345

350

Tyr Asp Tyr Thr Asp Val Arg Ala Ile Arg Glu Leu Gly Lys Pro Ile
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<210> 7

<211> 1104

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Sequence
 comprising Mowgli with NheI and HindIII at the
 5-prime and 3-prime ends

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<210> 8

<211> 366

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Mowgli fusion
 protein comprising a C terminal FLAG tag.

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Tyr	Leu	Ile	Ile	Phe	Val	Ala	Ser	Ile	Leu	Leu	Asn	Gly	Leu	Ala	Val	
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Trp	Ile	Phe	Phe	His	Ile	Arg	Asn	Lys	Thr	Ser	Phe	Ile	Phe	Tyr	Leu	
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Lys	Asn	Ile	Val	Val	Ala	Asp	Leu	Ile	Met	Thr	Leu	Thr	Phe	Pro	Phe	
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Gln	Lys	Ile	Leu	Tyr	Tyr	Cys	Lys	Glu	Ile	Thr	Leu	Phe	Leu	Ser	Ala	
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Cys	Asn	Val	Cys	Leu	Asp	Pro	Ile	Ile	Tyr	Phe	Phe	Met	Cys	Arg	Ser	
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Phe Ser Arg Arg Leu Phe Lys Lys Ser Asn Ile Arg Thr Arg Ser Glu
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Ser Ile Arg Ser Leu Gln Ser Val Arg Arg Ser Glu Val Arg Ile Tyr
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Tyr Asp Tyr Thr Asp Val Asp Tyr Lys Asp Asp Asp Asp Lys
355 360 365

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<213> Mus musculus

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<211> 259

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus

<400> 13

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Thr	Pro	Thr	Asn	Ile	Phe	Ile	Leu	Asn	Leu	Ala	Val	Ala	Asp	Leu	Leu
			20					25					30		

Phe	Leu	Leu	Thr	Leu	Pro	Pro	Trp	Ala	Leu	Tyr	Tyr	Leu	Val	Gly	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

35

40

45

Ser Glu Asp Trp Pro Phe Gly Ser Ala Leu Cys Lys Leu Val Thr Ala
50 55 60

Leu Asp Val Val Asn Met Tyr Ala Ser Ile Leu Leu Leu Thr Ala Ile
65 70 75 80

Ser Ile Asp Arg Tyr Leu Ala Ile Val His Pro Leu Arg Tyr Arg Arg
85 90 95

Arg Arg Thr Ser Pro Arg Arg Ala Lys Val Val Ile Leu Leu Val Trp
100 105 110

Val Leu Ala Leu Leu Leu Ser Leu Pro Pro Leu Leu Phe Ser Trp Val
115 120 125

Lys Thr Val Glu Glu Gly Asn Gly Thr Leu Asn Val Asn Val Thr Val
130 135 140

Cys Leu Ile Asp Phe Pro Glu Glu Ser Thr Ala Ser Val Ser Thr Trp
145 150 155 160

Leu Arg Ser Tyr Val Leu Leu Ser Thr Leu Val Gly Phe Leu Leu Pro
165 170 175

Leu Leu Val Ile Leu Val Cys Tyr Thr Arg Ile Leu Arg Thr Leu Arg
180 185 190

Lys Ala Ala Lys Thr Leu Leu Val Val Val Val Phe Val Leu Cys
195 200 205

Trp Leu Pro Tyr Phe Ile Val Leu Leu Leu Asp Thr Leu Cys Leu Ser
210 215 220

Ile Ile Met Ser Ser Thr Cys Glu Leu Glu Arg Val Leu Pro Thr Ala
225 230 235 240

Leu Leu Val Thr Leu Trp Leu Ala Tyr Val Asn Ser Cys Leu Asn Pro
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Ile Ile Tyr

<210> 14

<211> 256

<212> PRT

<213> Homo sapiens

<400> 14

Leu Asn Gly Leu Ala Val Trp Ile Phe Phe His Ile Arg Asn Lys Thr
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Ser Phe Ile Phe Tyr Leu Lys Asn Ile Val Val Ala Asp Leu Ile Met
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Thr Leu Thr Phe Pro Phe Arg Ile Val His Asp Ala Gly Phe Gly Pro
35 40 45

Trp Tyr Phe Lys Phe Ile Leu Cys Arg Tyr Thr Ser Val Leu Phe Tyr
50 55 60

Ala Asn Met Tyr Thr Ser Ile Val Phe Leu Gly Leu Ile Ser Ile Asp
65 70 75 80

Arg Tyr Leu Lys Val Val Lys Pro Phe Gly Asp Ser Arg Met Tyr Ser
85 90 95

Ile Thr Phe Thr Lys Val Leu Ser Val Cys Val Trp Val Ile Met Ala
100 105 110

Val Leu Ser Leu Pro Asn Ile Ile Leu Thr Asn Gly Gln Pro Thr Glu
115 120 125

Asp Asn Ile His Asp Cys Ser Lys Leu Lys Ser Pro Leu Gly Val Lys
130 135 140

Trp His Thr Ala Val Thr Tyr Val Asn Ser Cys Leu Phe Val Ala Val
145 150 155 160

Leu Val Ile Leu Ile Gly Cys Tyr Ile Ala Ile Ser Arg Tyr Ile His
165 170 175

Lys Ser Ser Arg Gln Phe Ile Ser Gln Ser Ser Arg Lys Arg Lys His
180 185 190

Asn Gln Ser Ile Arg Val Val Val Ala Val Phe Phe Thr Cys Phe Leu
195 200 205

Pro Tyr His Leu Cys Arg Ile Pro Phe Thr Phe Ser His Leu Asp Arg
210 215 220

Leu Leu Asp Glu Ser Ala Gln Lys Ile Leu Tyr Tyr Cys Lys Glu Ile
225 230 235 240

Thr Leu Phe Leu Ser Ala Cys Asn Val Cys Leu Asp Pro Ile Ile Tyr
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<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 15

actccatctg gtaggtaggg cagtgc

<210> 16
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 16
ataccatggt gcctgggtcca gatagac

27

<210> 17
<211> 37
<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 17
aaagcgccgc cgtatgtggc catcaagaaa cgtgaac

37

<210> 18
<211> 35
<212> DNA
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<400> 18
tttactagtt ctcccatgt ccctcacttg tgctg

35

<210> 19
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<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 19
aaaggcgcgc caacacctgc acctgcctcc tggaactc

38

<210> 20
<211> 36
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 20
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36

<210> 21
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 21
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27

<210> 22
<211> 27
<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 22
attagggatg gatacctgcc aaatgtg

27

<210> 23
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<400> 23
gtcttctcta ggcactgtgt ttgaagc

27

<210> 24
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 24
ttggctgaag cccatcaaaa acacaag

27

<210> 25
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<220>
<223> Description of Artificial Sequence: Primer

<400> 25
gtgagttcca ggaggcaggt gcaggtg

27

<210> 26
<211> 24
<212> DNA
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<223> Description of Artificial Sequence: Primer

<400> 26
ctgcttcctc ccgtatcact tgtg

24

<210> 27
<211> 26
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 27
gctttcgctc ctggttctta tgtttg

26

<210> 28
<211> 27
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 28
cagccgaact gttcgccagg ctcaagg

27

<210> 29
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 29
cgcacgcct tctatcgcct tcttgac

27

<210> 30
<211> 34

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 30

taatatgcta gcagaatggg gttcaacttg acgc

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<210> 31

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 31

cgcataatatt atgattacac tgatgtgtag aagcttttta ta

42

<210> 32

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 32

tataaaaagc ttctacttat cgtcgcatc cttgtaatcc acatcagtgt aatcataata 60
tatgcg 66